

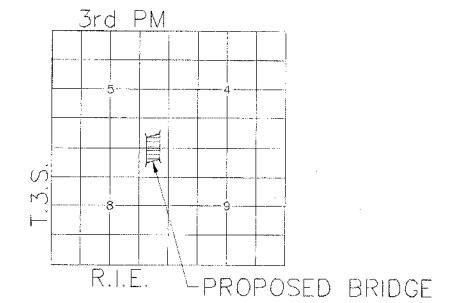
SALVAGE:
 THE CONTRACTOR SHALL SALVAGE FROM THE EXISTING BRIDGE ANY MATERIALS SO DEEMED BY THE ENGINEER AND STORE THEM ON THE ADJACENT R.O.W. FOR LATER REMOVAL BY THE JEFFERSON COUNTY HIGHWAY DEPARTMENT

TOTAL BILL OF MATERIAL

| ROUTE | SECTION | COUNTY | TOT. SHTS. | SHIT. |
|--------------------------------|----------------|-----------|------------|-------|
| C.H. 27 | 03-00180-00-BR | JEFFERSON | B | 3 |
| JEFFERSON COUNTY ROAD DISTRICT | | | | |

CONTRACT 95432

| ITEM | UNIT | TOTAL |
|--------------------------------------------------|---------|-------|
| REMOVAL OF EXISTING STRUCTURES | EACH | 1 |
| NAME PLATES | EACH | 1 |
| THREE SIDED PRECAST CONCRETE STRUCTURES 24' x 9' | FOOT | 50 |
| CONTROLLED LOW STRENGTH MATERIAL | CU. YD. | 68 |
| STRUCTURE EXCAVATION (SPECIAL) | CU. YD. | 561 |
| FURNISHED EXCAVATION | CU. YD. | 536 |
| AGGREGATE SURFACE COURSE TYPE "A" | TON | 62 |
| STONE DUMPED RIPRAP CLASS A4 | TON | 80 |



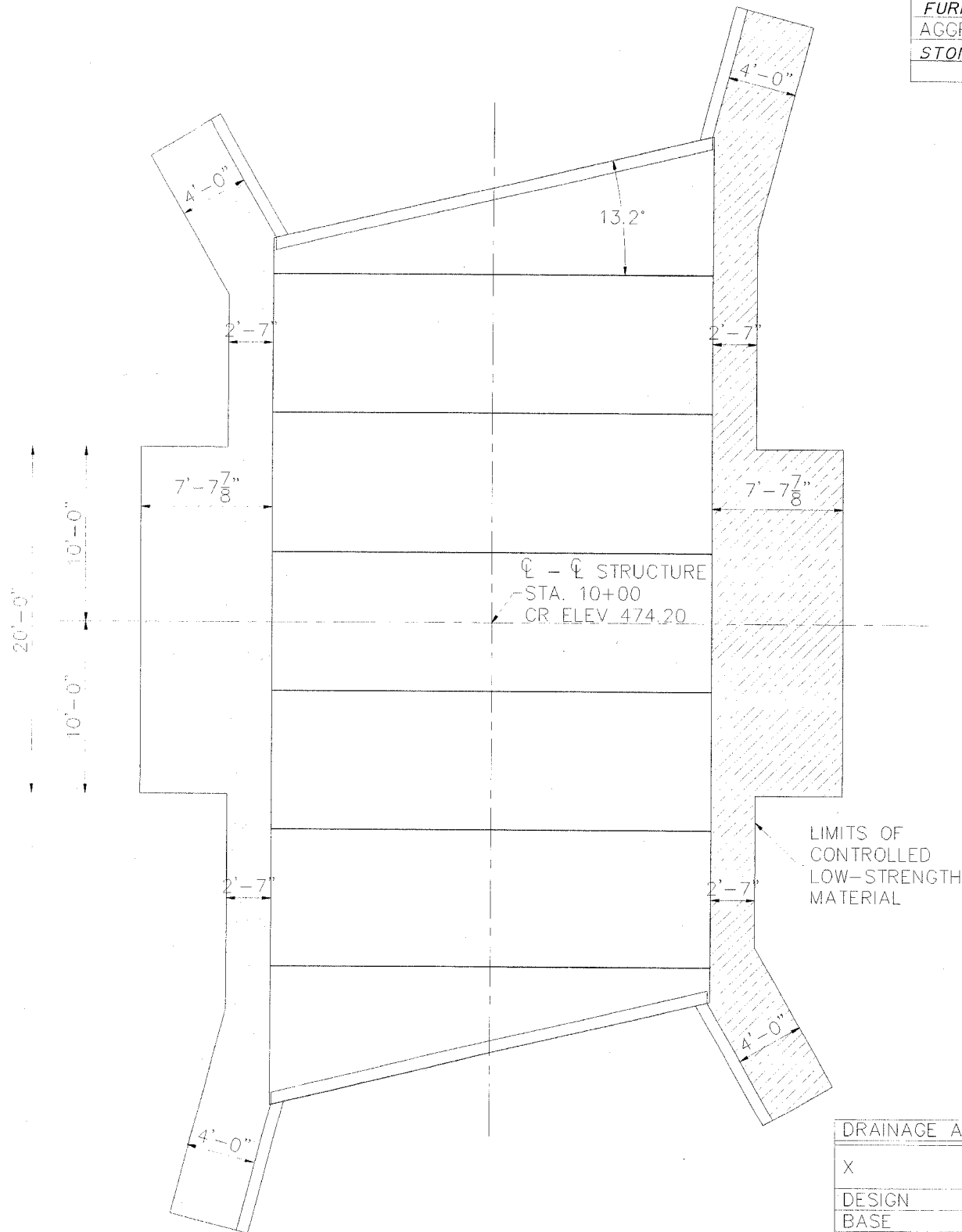
GENERAL NOTES

REINFORCEMENT BARS SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M-31, M-42, OR M-53, GRADE 60.

SEE SPECIAL PROVISIONS FOR BORING LOGS.

CLASS S1 CONCRETE SHALL BE USED THROUGHOUT.

THE PRECAST CONCRETE BRIDGE SYSTEM SHALL MATCH THE STYLE, DIMENSIONS, AND HYDRAULIC OPENING AS SHOWN HEREIN. THE PRECAST ALTERNATE SHALL BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION.



**STATION 10+00
 NOVAK CREEK
 SEC 03-00180-00-BR
 PROJECT BROS-081(45)
 JEFFERSON COUNTY
 LOADING HS-20
 STRUCTURE NO. 041-3662**

LETTERING FOR NAME PLATE

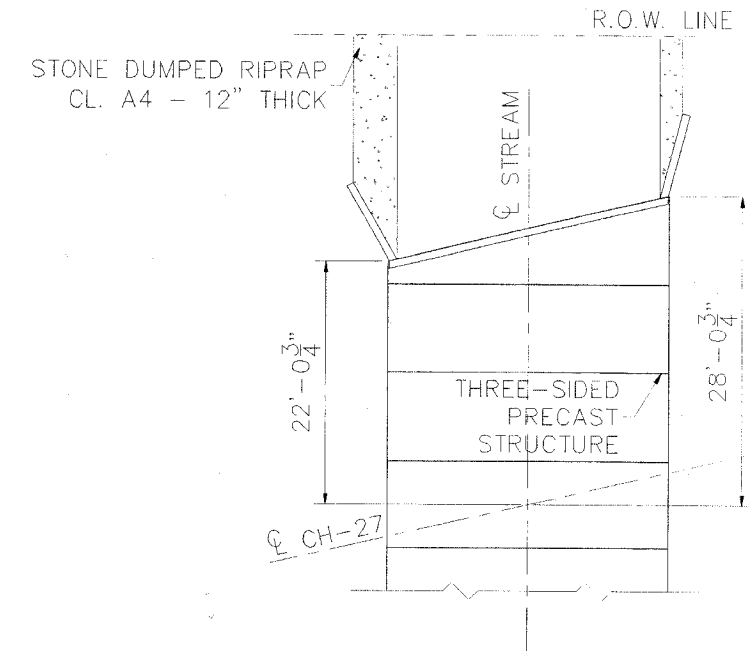
LOCATE NAME PLATE ON OUTSIDE FACE OF SOUTHWEST WINGWALL SEE STD. 515001

DESIGN SPECIFICATIONS

1996 AASHTO & 1997 INTERIMS
 HS20-44 LOADING LOAD FACTOR DESIGN

WATERWAY INFORMATION

| X | FREQ. YR. | Q C.F.S. | OPENING SQ. FT. | | NAT H.W.E. | HEAD-FT. | | HEADWATER EL. | |
|-------------|-----------|----------|-----------------|-------|------------|----------|-------|---------------|-------|
| | | | EXIST. | PROP. | | EXIST. | PROP. | EXIST. | PROP. |
| DESIGN | 20 | 1082 | 143 | 159 | 472.59 | | | | |
| BASE | 100 | 1544 | 154 | 163 | 473.01 | 0.28 | 0.28 | | |
| OVERTOPPING | | | | | | | | | |
| MAX CALC. | 500 | | | | | | | | |



RIPRAP DETAIL

(TYP. BOTH ENDS)

CH-27 OVER NOVAK CREEK
 SECTION 03-00180-00-BR
 JEFFERSON COUNTY
 STATION 10+00

GENERAL PLAN & ELEVATION